

DISK DRIVE DEVICE

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Abstract

PROBLEM TO BE SOLVED: To enable stable recording or reproducing even when an unbalanced disk is rotated at a high speed by providing a balancer having a hollow annular part housing plural spheres or a liquid inside so as to be rotated integrally with the disk mounted on a disk device.

SOLUTION: The disk 1 is fixed on a turntable 110 by a clamper 16a, and is driven to rotate by a spindle motor. The clamper 16a is provided coaxially with the hollow annular part 23, and the plural spheres 24 are movably housed in the hollow annular part 23 to constitute the sphere balancer 22a. Unbalancing force is worked by rotating the disk 1 having a large unbalanced amt., and when the disk 1 is wobblingly rotated at its rotating frequency together with constituting parts mounted with a subbase 6, the spheres 24 are gathered toward positions in about direct opposition to the centroid of the disk 1. Thus, vibration of the subbase to be generated when the unbalanced disk 1 is rotated can be suppressed.

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